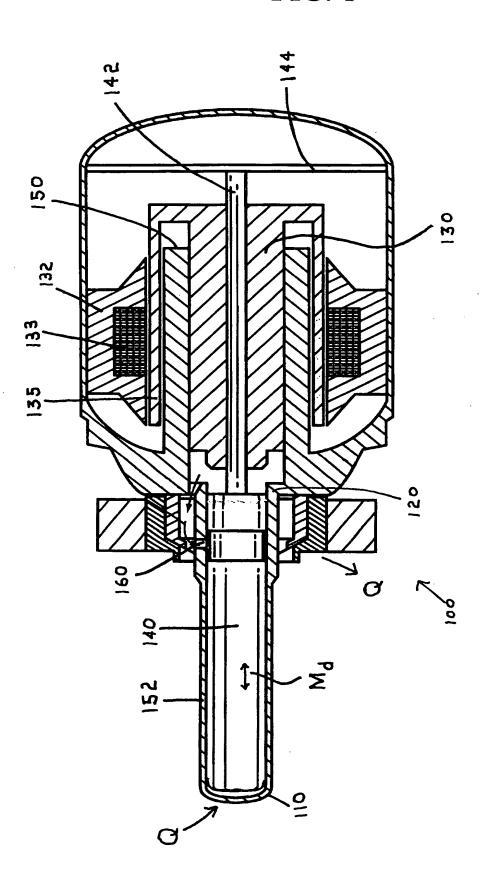
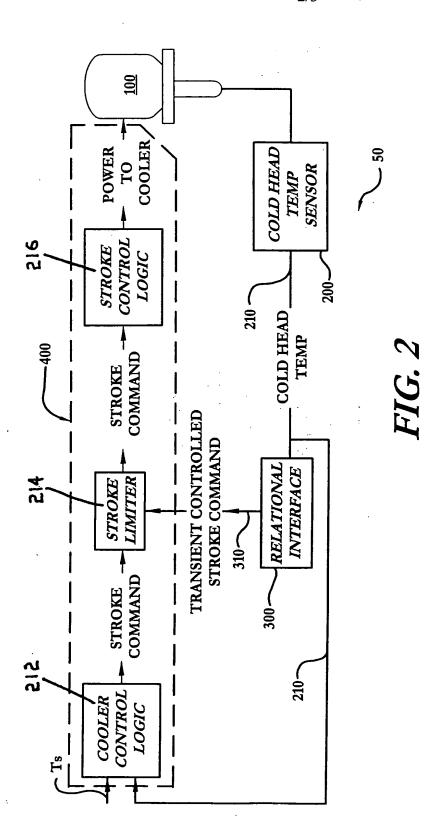
Title: Transient Temperature Control System And Method For Preventing Destructive Collisions In Free Piston Machines Inventors: Reuven Z-M Unger and Ezekiel S. Holliday Attorney: Frank H. Foster Telephone: 64/575-2100 Docket No.: SUN 6020

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FIG. 1





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Fig. 3

Cold End Temperature (° K)	Max. Piston Stroke (mm)	Min. Piston Stroke (mm)
Above 282	4.688	4
282	5.313	4
275	5.469	4
264	5.938	4
240	6.250	4
200	6.5	4
Below 200	6.5	4